



State of Utah

Department of
Natural Resources

ROBERT L. MORGAN
Executive Director

Division of
Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

June 16, 2004

CERTIFIED RETURN RECEIPT
7099 3400 0016 8896 0822

Russell Larson
Lakeview Rock Products
P.O. Box 540700
900 North Redwood Road
North Salt Lake, Utah 84054-0700

Subject: Second Review of Notice of Intention to Commence Large Mining Operations, Lakeview Rock Products, Lakeview Beck Street Quarry, M/035/020, Salt Lake County, Utah

Dear Mr. Larson:

The Division has completed a review of your May 11, 2004 draft response to the Division's initial technical review sent to you on February 24, 2004, for the Lakeview Beck Street Quarry, located in Salt Lake County, Utah. After reviewing the information, the Division has the following comments that still need to be addressed before tentative approval may be granted.

The comments are listed below under the applicable Minerals Rule heading. Please format your response in a similar fashion. **Please address only those items requested in the attached technical review. You may send replacement pages of the original notice using redline and strikeout text, so we can see what changes have been made. After the notice is determined technically complete and we are prepared to issue final approval, we will ask that you send us two copies of the complete and corrected plan. Upon final approval of the permit, we will return one copy stamped "approved" for your records.** Please provide a response to this review by July 19, 2004.

The Division will suspend further review of the Lakeview Beck Street Quarry Notice of Intention until your response to this letter is received. If you have any questions in this regard please contact me or Doug Jensen of the Minerals Staff. If you wish to arrange a meeting to sit down and discuss this

Russell Larson
Page 2 of 4
Second Review
M/035/020
June 16, 2004

review, please contact us at your earliest convenience. Thank you for your cooperation in completing this permitting action.

Sincerely,

A handwritten signature in black ink, reading "D. Wayne Hedberg". The signature is fluid and cursive, with a long horizontal stroke extending from the end of the name.

D. Wayne Hedberg
Permit Supervisor
Minerals Regulatory Program

DWH:jb
Attachment: Review
cc: Linda Mathews, JBR
Lynn Pace, Salt Lake City Corporation
Paul Ottoson, City of North Salt Lake
Doug Jensen, DOGM
O:\M035-SaltLake\M0350020-Lakeview\final\2ndrev-06152004.doc

SECOND REVIEW OF NOTICE OF INTENTION TO COMMENCE LARGE MINING OPERATIONS

**Lakeview Rock Products, Inc.
Lakeview Beck Street Quarry**

**M/035/020
June 16, 2004**

R647-4-105 - Maps, Drawings & Photographs

105.3 Drawings or Cross Sections (slopes, roads, pads, etc.)

The cross-sections included in the latest response show the highwall as proposed, but does not show the pit floors after mining and after final reclamation. Please include pit floors, before and after reclamation, on the sections. (DJ)

R647-4-106 - Operation Plan

106.4 Nature of materials mined, waste and estimated tonnages

The Division realizes that the final pit plan map submitted in your Jan 2004 NOI is a portrayal of your plans. Your response states that an agreement is forthcoming between Staker Parson and Lakeview. Until this agreement concerning the common property boundary is finalized, the mining and reclamation plan should reflect a design that will be compatible with Staker's final highwall configuration as presently proposed. (DJ)

106.7 Existing vegetation - species and amount

The plan includes a commitment to gather vegetation data in the spring of 2004. This information needs to be included in your permit application. (PBB)

R647-4-109 - Impact Assessment

109.4 Slope stability, erosion control, air quality, safety

Your response states that AMEC indicated that the final highwall finished at a 60 degree slope angle will have a safety factor of 1.1. The Division recommends a minimum safety factor of 1.3 for the final highwall.

Dames and Moore's report stated that it was appropriate that a rock quality engineering review be performed on a regular schedule. The 1995 AGRA geologic report states that the parties agreed to perform a detailed engineering geologic review of rock quality at least every five years. This report was completed nine years ago. Has any effort been made to review the quality of the rock that now forms the highwall at the site?

It is apparent when viewing the site that the geologic make-up of the present highwalls is not entirely competent limestone as discussed in the RPI plan. The Division recommends that a geologic engineering study of the present highwalls be completed to ascertain whether the geologic hypothesis used as a basis for AMEC and Dames & Moore's highwall evaluation still exists. (DJ)

Russell Larson
Page 4 of 4
Second Review
M/035/020
June 16, 2004

110.5 Revegetation planting program

The plan discusses two seed mixes, one to be used for the highwall benches and the other for the rest of the areas. The seed mixes need to be shown in the plan. (PBB)

R647-4-112 – Variance

As stated previously in this review, a 1.1 safety factor for a 60-degree highwall is not acceptable. Unless Lakeview can demonstrate that the final highwall will meet a minimum safety factor of 1.3, the ultimate highwall slope should be reduced to at least 45 degrees. (DJ)

A variance is requested for revegetation of the highwall benches. The operator has committed to seed the benches, but no topsoil will be applied. Since it would be very difficult to go back to these areas to monitor them or to do any remedial work, no revegetation standards will be applied. *Under these conditions, a revegetation variance for the highwall benches is approved.* (PBB)

R647-4-113 – Surety

Pit Floor Regrading

The surety calculation included in the plan indicates an amount of \$1000 to perform minor slope corrections and placement of a four-inch gravel cap. An approximation of the amount of gravel needed to cover the ~41 acre pit floor is 20,000 to 25,000 cubic yards of material. Use of a dozer or grader to spread this material is acceptable if the material is bought off site and trucks are used to place the material. The surety will need to include the cost to purchase the gravel. The \$1000 shown in your estimate is not sufficient to complete this activity. (DJ)

Catch Basin Construction

Please show how the costs shown were calculated. (DJ)

Cleanup

Transportation for the supervisor should be included in the surety cost estimate. (DJ)

Revegetation

During conversations with Salt Lake City Corporation, they request that the pit floor area be revegetated. This is due to the unknown amount of time that may pass between the completion of the quarry work and any future business development of the area. Comments from the City of North Salt Lake concerning this plan are included with this review.

If items noted in these comments are to become a part of the operation, they should be included in the plan. (DJ)



CITY OF NORTH SALT LAKE

20 South Hwy 89 • PO Box 540208
North Salt Lake, Utah 84054-0208
(801) 936-3877

Doug

KAY W. BRIGGS
Mayor

COLLIN H. WOOD
City Manager

June 8, 2004

Mr. Doug Jensen
Department of Natural Resources
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Dear Doug:

Subject: Lakeview Rock Products Notice of Intention

Thank you for involving the City of North Salt Lake in the review process of the subject project. I have reviewed Lakeview's Notice of Intention at their Beck Street Quarry and have a few comments.

1. Lakeview's plan is to install a three strand barb wire fence along their east property line at the top of the pit. With development on North Salt Lake City's east bench constantly growing, more and more people are in this vicinity hiking or biking. We feel that a more secure fence be installed at this location.
2. There is no landscaping scheduled along Beck Street. I talked to Russell Larson of Herm Hughes and he said that they will probably do some landscaping up front but it was not shown in the report.
3. The landing area below the highwall area all slopes to the east. I am concerned that when this property sells, there will be a lot of regrading that will have to be done to drain the storm water to the west. Again, I talked to Russell and he said that before they sell they will do this if that is what the property owners want.

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JUN 10 2004
DIV. OF OIL, GAS & MINING

Page 2

Please call me if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Paul Ottoson".

Paul A. Ottoson, P.E.
City Engineer

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